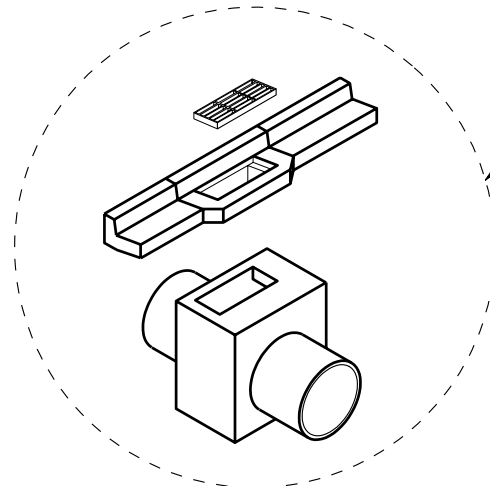
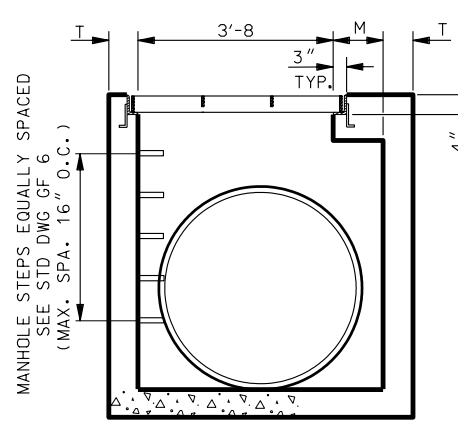


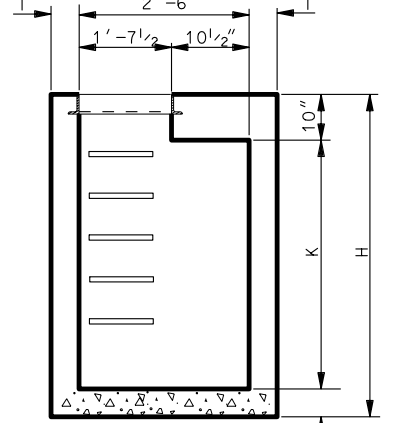
PLAN



OPTIONAL CONSTRUCTION METHOD FOR CURB & GUTTER APPLICATION. SEE GENERAL NOTES #9

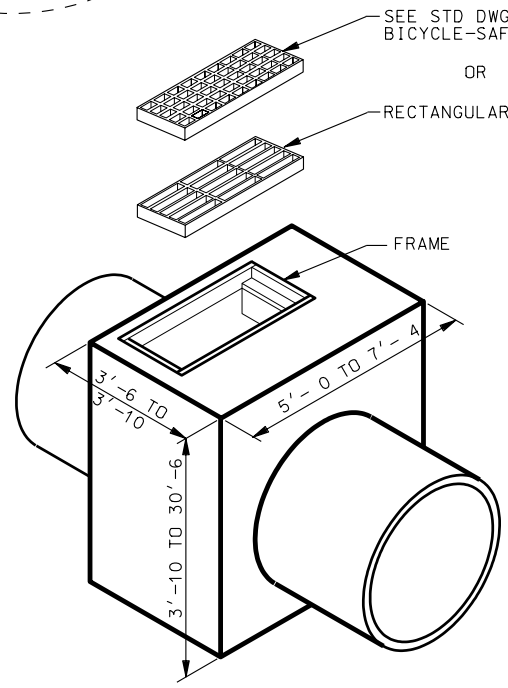


SECTION A-A

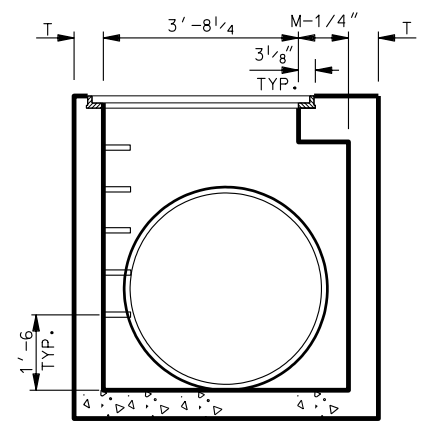


SECTION B-B

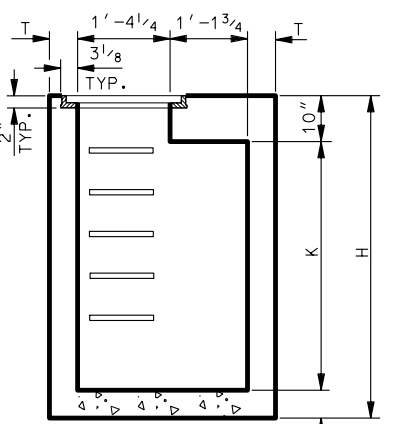
CATCH BASIN  
GRATE AND FRAME APPLICATION



SEE STD DWG GF 3 BICYCLE-SAFE GRATE OR RECTANGULAR GRATE

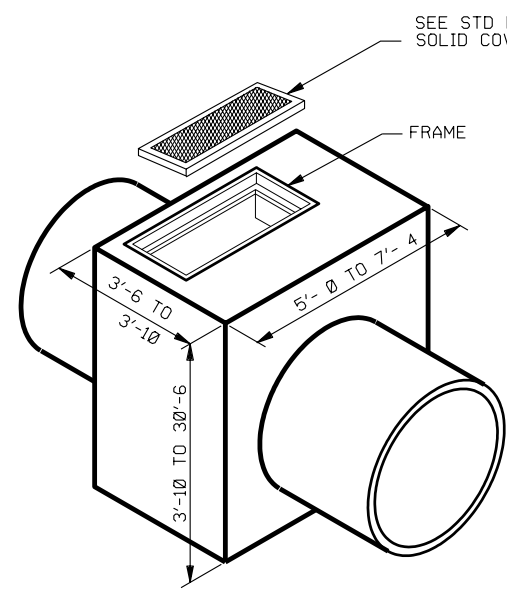


SECTION A-A



SECTION B-B

CLEANOUT BOX  
SOLID COVER APPLICATION



SEE STD DWG GF 5 SOLID COVER

GENERAL NOTES FOR CB 10A TO CB 10C

1. USE COATED DEFORMED BILLET REINFORCING STEEL BARS CONFORMING TO AASHTO M 284 OR M 111 AND M 31 GRADE 60 RESPECTIVELY.
2. USE TYPE II CEMENT (LOW ALKALI) UNLESS SPECIFIED OTHERWISE.
3. CHAMFER ALL EXPOSED CORNER 3/4" EXCEPT WHERE NOTED OTHERWISE.
4. USE CONCRETE CLASS AA(AE) FOR ALL CAST-IN-PLACE CONCRETE EXCEPT WHERE SPECIFIED OTHERWISE.
5. PROVIDE 2" CONCRETE COVER TO REINFORCING STEEL EXCEPT WHERE NOTED OTHERWISE.
6. USE STRUCTURAL STEEL CONFORMING TO AASHTO M 270 GRADE 36 EXCEPT WHERE NOTED OTHERWISE.
7. SEE STD DWG GF 3 AND GF 5 FOR GRATING, FRAME AND SOLID COVER DETAILS.
8. SEE ROADWAY PLANS FOR DETAILS OF INSTALLATION, INCLUDING LOCATION OF UNITS NUMBER OF UNITS REQUIRED, TYPE OF UNITS, SIZE AND LOCATION OF PIPE(S).
9. FOR CURB & GUTTER APPLICATIONS ADJUST FINISH GRADE ELEVATION OF BOX AS REQUIRED. INCLUDE CONCRETE QUANTITIES FOR CURB & GUTTER IN ROADWAY QUANTITIES.
10. USE CLASS AA(AE) CAST-IN-PLACE CONCRETE EXCEPT WHERE SPECIFIED OTHERWISE.

DESIGN DATA

HS-20-44 OR INTERSTATE ALTERNATE MILITARY LOADING IN ACCORDANCE WITH CURRENT AASHTO AND INTERIM SPECIFICATIONS.

CAST-IN-PLACE STRUCTURAL CONCRETE:  $F_c = 1,400$  psi  $n = 8$   
REINF. STEEL:  $F_s = 24,000$  psi  
STRUCTURAL STEEL:  $F_s = 20,000$  psi

QUANTITIES

STRUCTURAL CONCRETE } SEE SCHEDULE OF INSTALLATION  
REINFORCING STEEL }

INDEX OF SHEETS

- (CB 10A) 1- SITUATION & LAYOUT
- (CB 10B) 2- SECTION DETAILS
- (CB 10C) 3- SCHEDULE OF INSTALLATION FOR 42"-60" RCP. 48"-72" CMP.

REVISIONS		NO.	DATE	APPR.	REMARKS

UTAH DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION SALT LAKE CITY, UTAH	RECOMMENDED FOR APPROVAL		JULY 03, 2002		DATE
	CHAIRMAN STANDARDS COMMITTEE		JULY 03, 2002		
	APPROVED				
	DEPUTY DIRECTOR				

STANDARD CATCH BASIN AND CLEANOUT BOX SITUATION & LAYOUT	STANDARD DRAWING TITLE
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